Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/18/2021 10:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123409	-2	1.24	123297	1.22
Blue	F	SSC	125000	123052	-2	2.40	123394	2.23
Blue	E	FITC	13131	12648	-4	2.19	293	15.04
Blue	D	PE	24112	23729	-2	1.57	544	10.81
Blue	B	PerCP-Cy5-5	31295	30779	-2	2.93	1014	14.49
Blue	A	PE-Cy7	19939	19650	-2	5.13	527	27.90
Red	C	APC	42122	41803	-1	3.17	1749	11.54
Red	A	APC-Cy7	22340	21668	-4	3.54	814	11.73
Violet	B	V450	7410	7069	-5	3.53	429	12.16
Violet	A	V500	28118	26782	-5	3.18	669	9.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22907	0.91	564	-5	N/A	N/A	Pass
Blue	F	SSC	57370	1.15	517	5	N/A	N/A	Pass
Blue	E	FITC	55	53.22	484	-3	0.0468	142	Pass
Blue	D	PE	114	36.61	487	-1	0.3888	274	Pass
Blue	B	PerCP-Cy5-5	189	35.41	583	-3	0.0199	54	Pass
Blue	A	PE-Cy7	106	65.23	625	-3	0.0240	1	Pass
Red	C	APC	406	23.97	580	4	0.0272	160	Pass
Red	A	APC-Cy7	183	27.49	554	3	0.0063	1079	Pass
Violet	B	V450	60	62.17	460	7	0.0705	2564	Pass
Violet	A	V500	96	34.44	471	6	0.0271	941	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.94	-31.67	0.98
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.12	13.60 - 20.40	N/A	N/A	29.96	30.34	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 14850

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments